

FIGURE 1

FIGURE 2

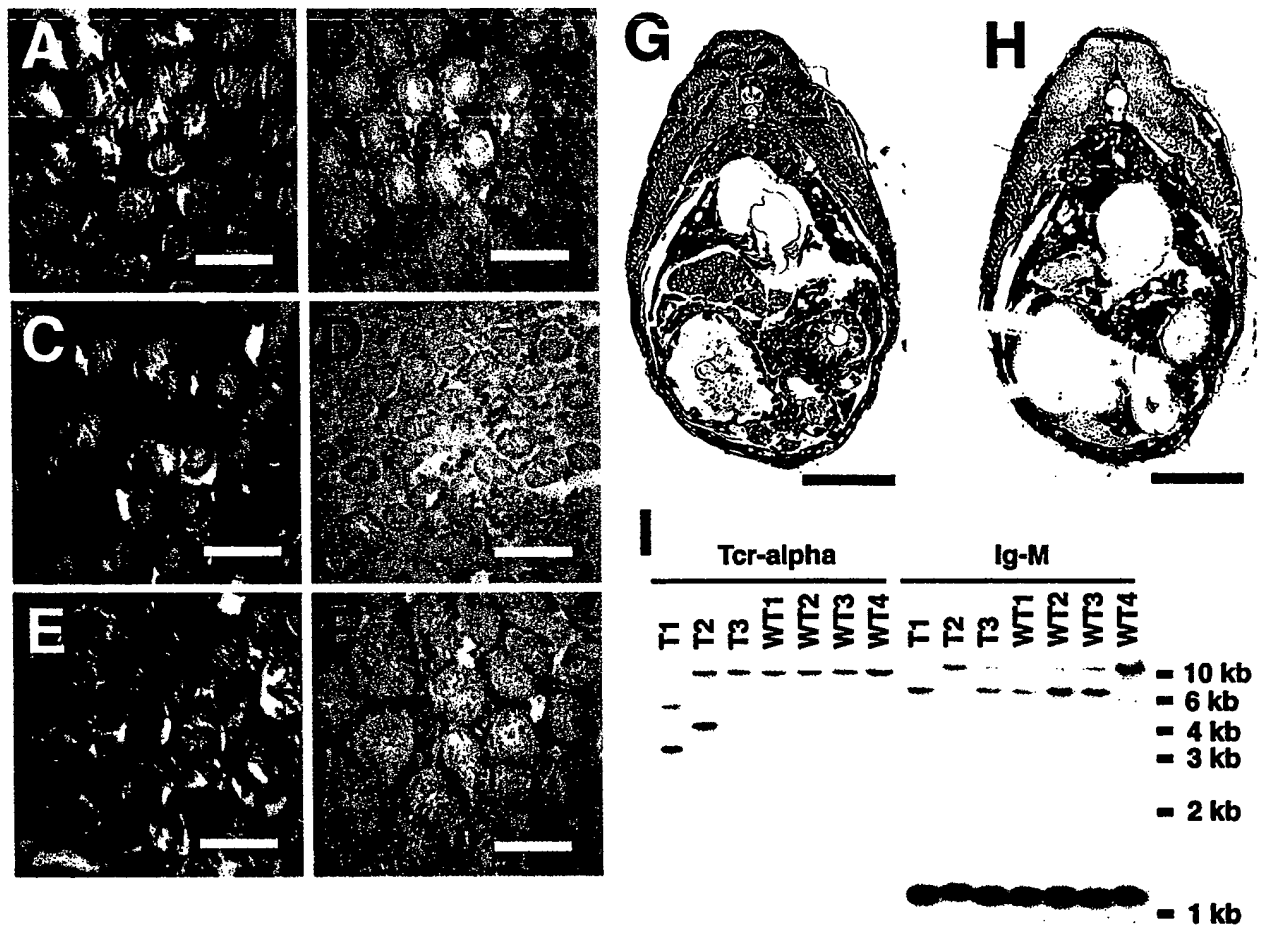


FIGURE 3

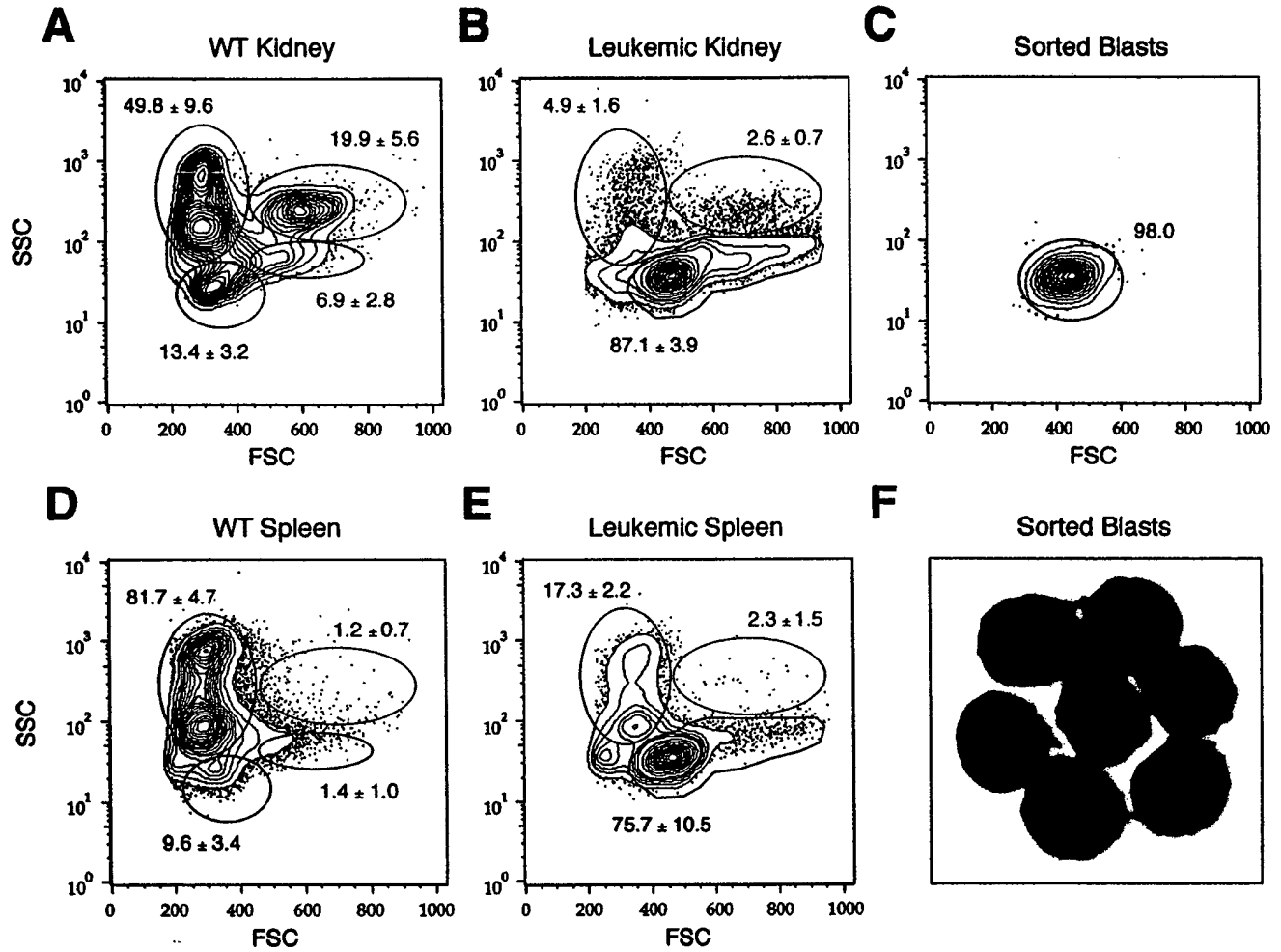
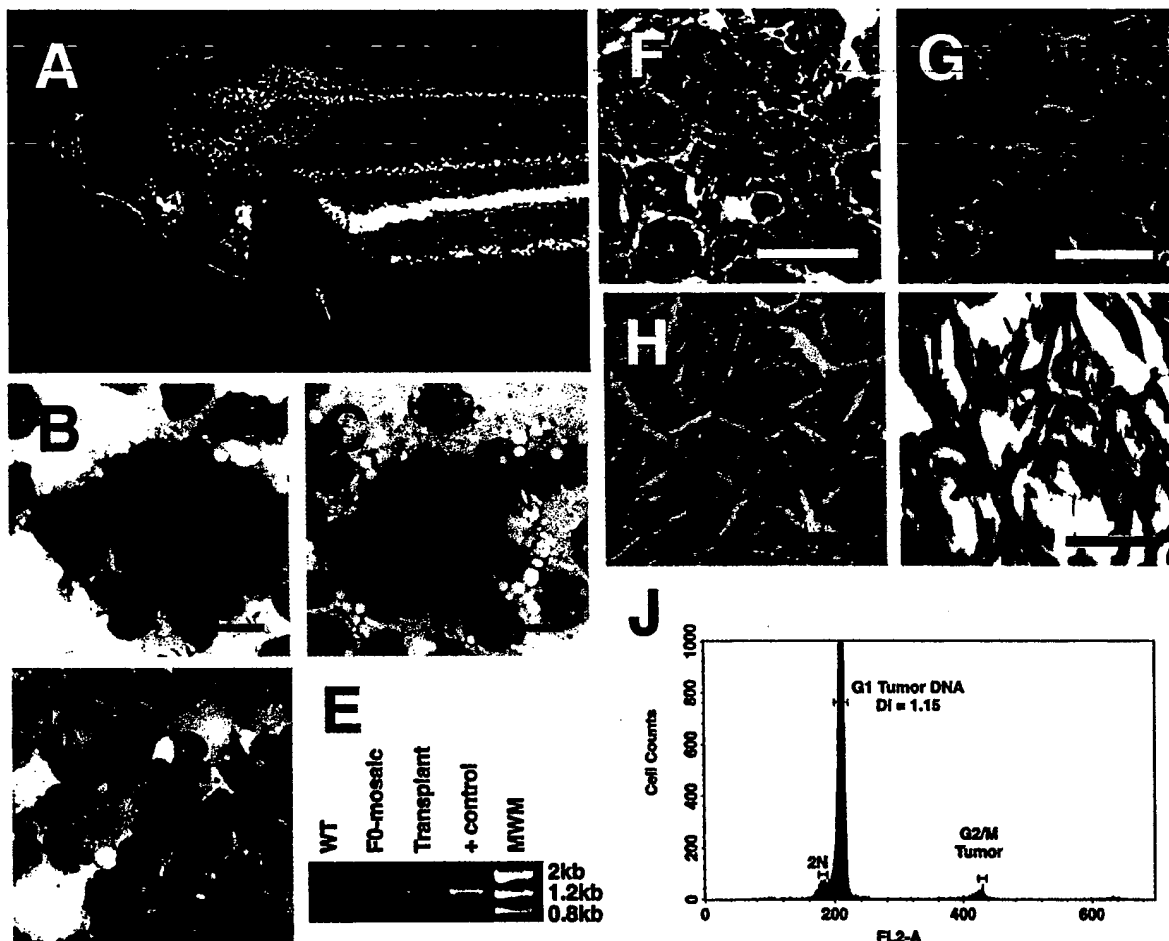


FIGURE 4



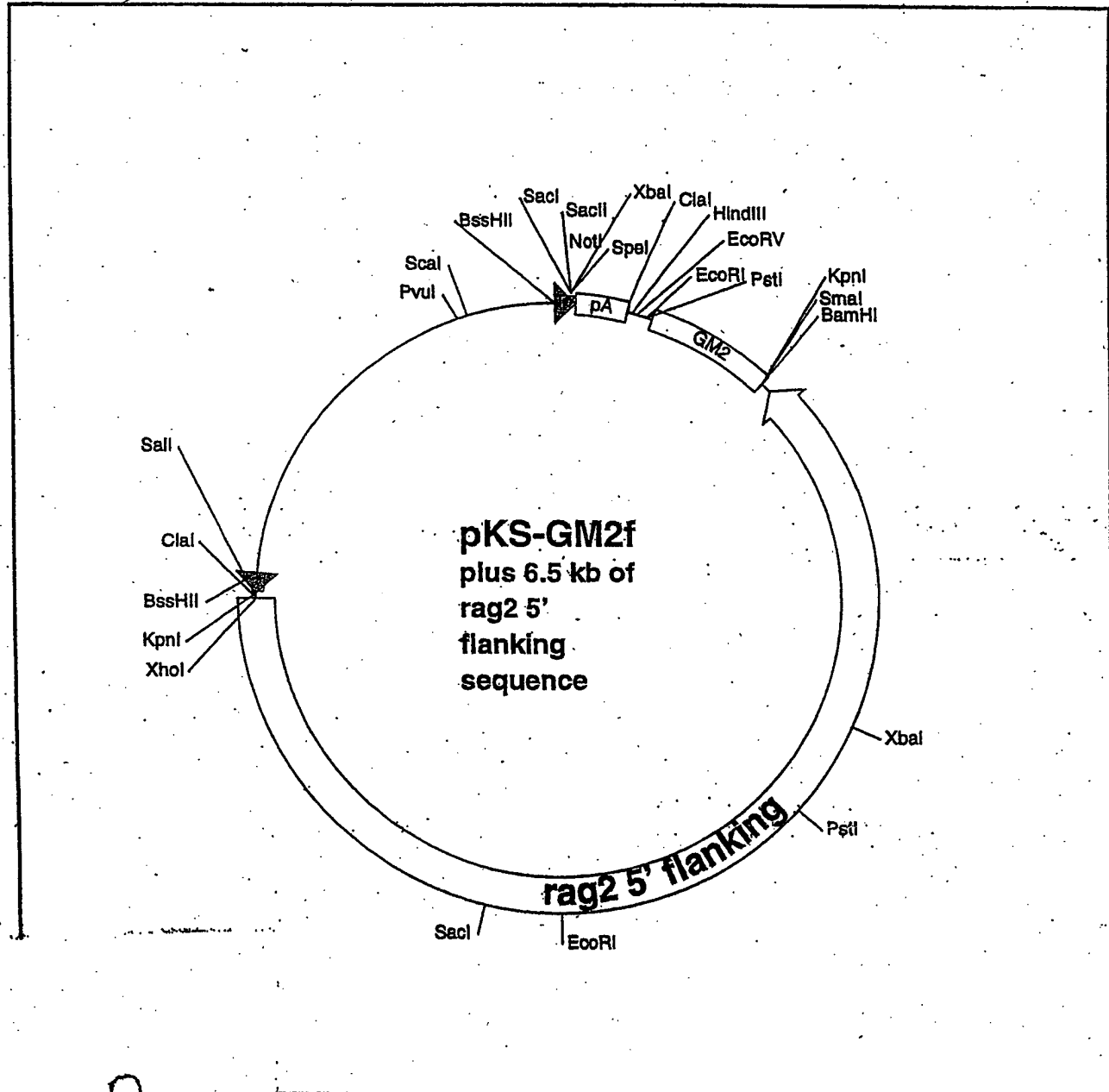
fi

Lin Lab Database

A: DNA; B: E. Coli; C: TissueCultureCell; D: Library

Construct	rag2 6.5 kb GFP in KS-	E. coli		Library		Cell	
Insert	8 kb	Stock	Jason -20 Box 1 -D8			Category#	A0042
Note	6.5 kb of rag2 5' flanking region/ from ATG linked to GFP						

Map



Prepared by

FIGURE 5

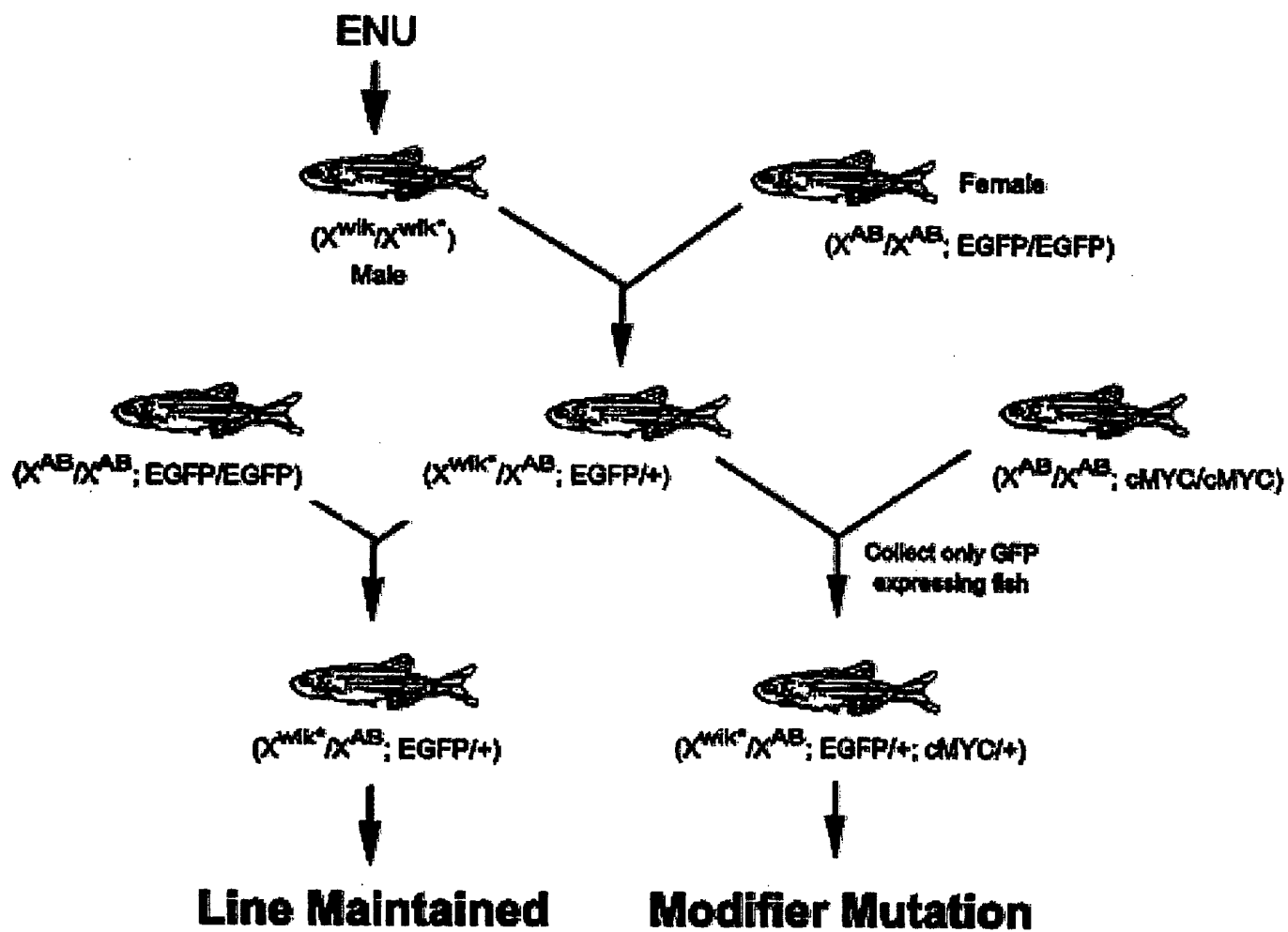


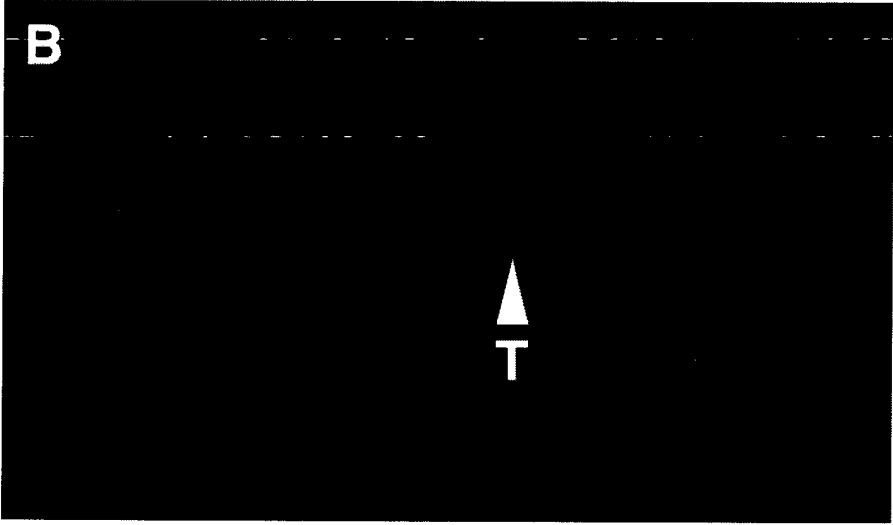
FIGURE 6

Figure 7

A



B



C

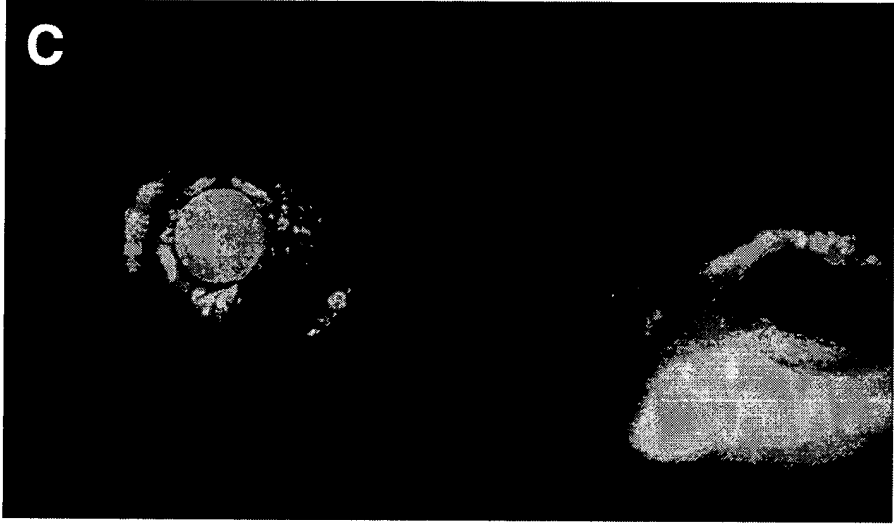


Figure 8

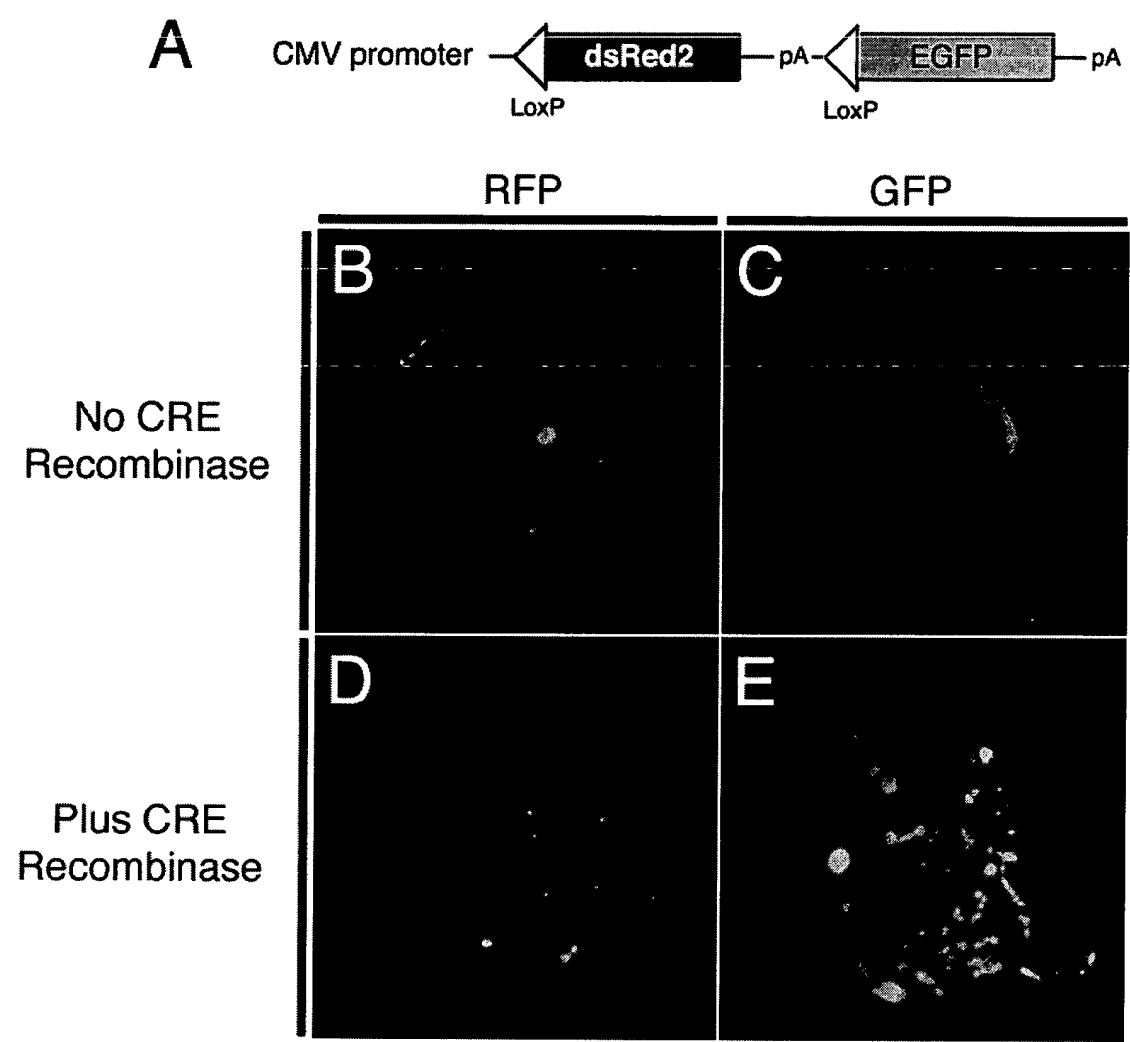


Figure 9

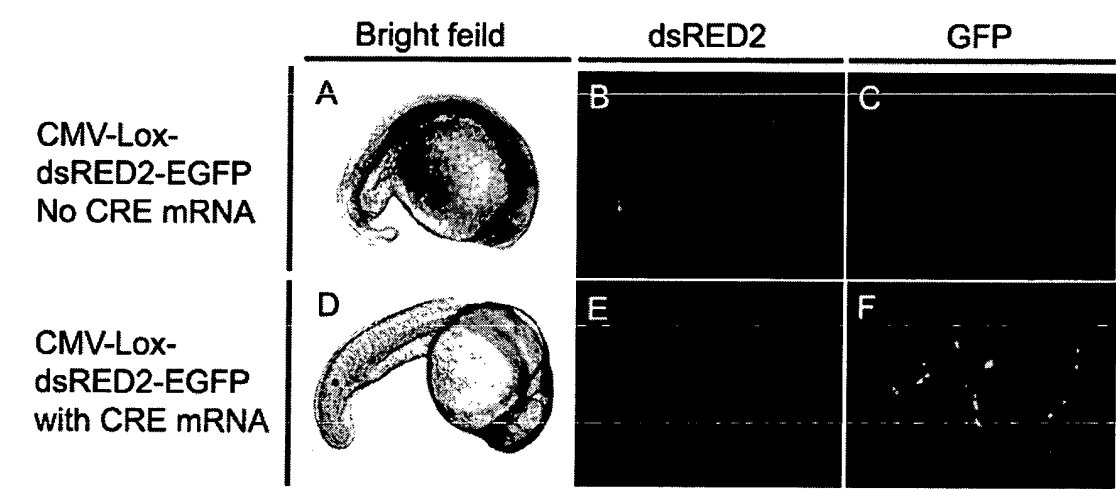


Figure 10

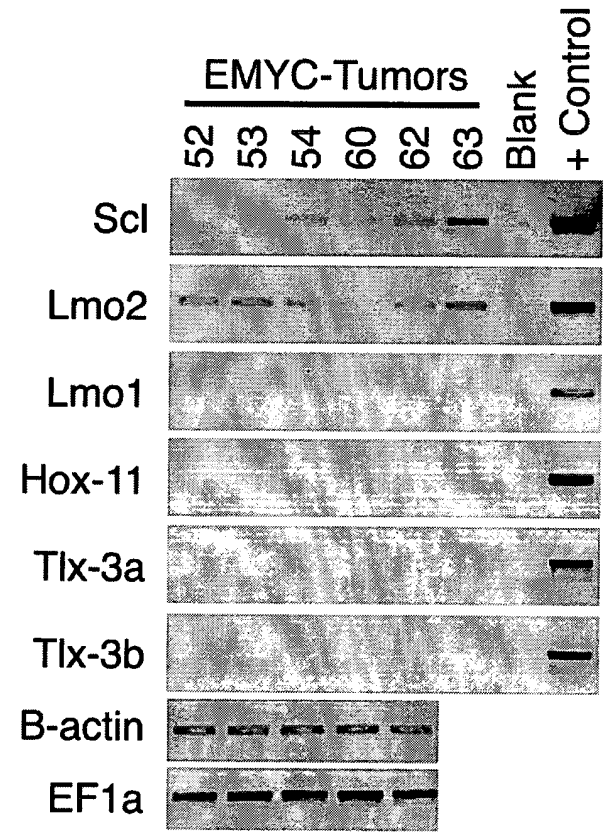


Figure 11

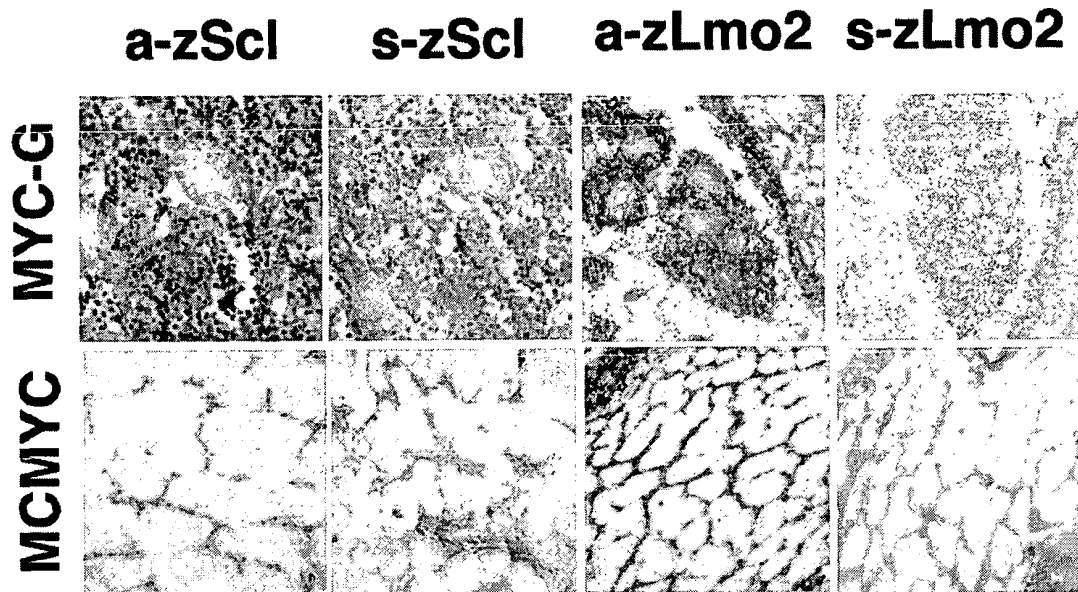


Figure 12

A

```

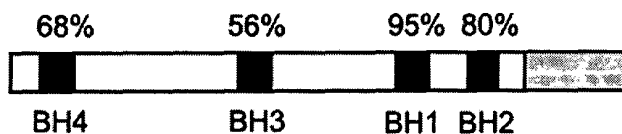
1          BH4                                     100
z-bcl-2  MANE--ISYDNRNIVEKYLKELSLKRGVYVWKQS-----SAEEDTFNKAVESSSPNSDRRLQAPSAGGGHNSCLIAVYTRSDPHLRL
x-Bcl-R1 LNPKKKENNGVYKNGD-----RRKHETGNTIFRGSDDKYLTEOGHMAQSDLGSKALVEDLVYKLCORSLVPPSGAASCA-----L
c-Bcl-2  MAHPGRRGYDNREIVLKYIHYKLSQRGYDWAAGE---DRPPVFAPA-PAAAPAAVAAAGASSHG---BPEPPGSAALAEVPPAEGL--RPAPPGVHL--
h-BCL-2  MAHAGRTGYDNREIVNRYIHYKLSQRGYDWAAGE---DRPPVFAPA-PAAAPAAVAAAGASSHG---BPEPPGSAALAEVPPAEGL--RPAPPGVHL--
z-bcl-xL MSYY-----NRDLVVFYIHYKLSQRNYPCNHIGLTDNTRTGAEE-NGEGAAGATTLVNGTMRNTNASTGTTPQSPASSPQROTNGSGGLDAVK--
x-Bcl-R11 MESS-----SRDLVEKFSYKLSQNEACR-KPS-NNPQ-----PNAISNGTS-----TSERFEGEGATQGIIVE-EEVL--
c-Bcl-xL MSSS-----NRDLVIDFVSYKLSQRGHCHSELE-EEDENRTDTA-----AEAEND--SVLHSSPSWHPFAGHVVNGATVHRSSLEVHEIVRA-SDVR--
h-BCL-xL MSQS-----NRDLVVDVFSYKLSQKYSWSQPS-DVEENRTAPEG--TESENETPSAINGNPSWHLADSPAVNGATAHSSSLDAREVTPN-AAVK--

101        BH3                                     BH1                                     200
z-bcl-2  YRVLRDAGDIERIYQREFEEMSQQNVFNPNSAQKSFITVAEELFRDGVNNGRIIAFFPGGTMCVESVNREMASQVDNIAHMTDYLNGPLENWIENG
x-Bcl-R1 HSAMRAAGDEFEERPRQAFSEISTQIHVTFGTAYARFAEVAGSLFQGGVNMGRIVAFPFVGAALCESVVKEMSPLLPRIQDMMVTYLETNLRDWMIQNG
c-Bcl-2  --ALRQAGDEFSRRYQEDFAQMSQQLHLPPTAHGRFPAVVEELFRDGVNNGRIIVAFPFGGVMCVESVNREMSPLVDNIATMTYELNRHLHMTIQNG
h-BCL-2  --TLRQAGDDPSRRYRRDFAEMSRQLHLPPTAHGRFPAVVEELFRDGVNNGRIIVAFPFGGVMCVESVNREMSPLVDNIATMTYELNRHLHMTIQNG
z-bcl-xL --EALRDSANEFELRYSRAPNDLSSQLHITPATAYQSPBSVNDSEVFRDGVNNGRIIVGLFAPGGALCVESVKEKMSPLVGRIAEKMIVYLDNHICPMIQSQ
x-Bcl-R11 -QALREATERFELRYORAFSDLTSQLHITQDTAQSQFOQVNGELFRDGVNNGRIIVAFPFGGALCVESANKEMTDLLPRIVQVMVYLEHTLQPMIQSQ
c-Bcl-xL -QALRDAGDEFEELRYRRAFSDLTSQLHITPCTAYQSPQVNVNELFDGVNNGRIIVAFPFGGALCVESVDKEMRVLVGRIVSMYTYLTDHLDPMIQSQ
h-BCL-xL -QALREAGDEFEELRYRRAFSDLTSQLHITPCTAYQSPQVNVNELFRDGVNNGRIIVAFPFGGALCVESVDKEMQVLVSRIAARMATYLDNHLEPMIQSQ
      * * * * *      # * # * # * # * # * # * # * # * # * # * # * # * # * # * # * # * # * # * # * # * # * #

201        BH2                                     255
z-bcl-2  GWDAPFVEMVYQQQ---RDSVPHPSP-Y--LTKVLGLAALGLAGVTIGAPPAQK
x-Bcl-R1 GWNGLPLLYGDGAIEEASRQR--QNWASLKTVLGTGAVALGALMTVGALFASK
c-Bcl-2  GWDAPFVELYQSS---MRPLFD-PS-NISLKTLSLVLVG-ACITLGAYLGHK
h-BCL-2  GWDAPFVELYGPS---MRPLFD-PS-NISLKTLSLVLVG-ACITLGAYLGHK
z-bcl-xL GWERFAEIPGKORAAESRKSQESFPKWL---FAGNTLLTG--VVVGGLIAQKRL
x-Bcl-R11 GWERFVGLYGNAAAQSRQSRPGR-L---LTIVMLTG--FALVCMRRR
c-Bcl-xL GWERFVDLYGNAAAELRKQGTFFPKWL---LTGATVAGV--LLIGSLSRK
h-BCL-xL GNDTFVELYGNAAAESRKGQSRFNRWF---LTGNTVAGV--VLIGSLFSRK
      ## # * #      * *      * * * * *

```

B



C

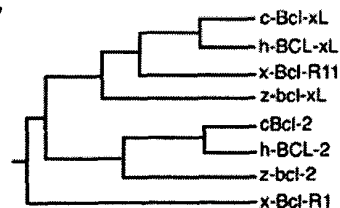


Figure 13

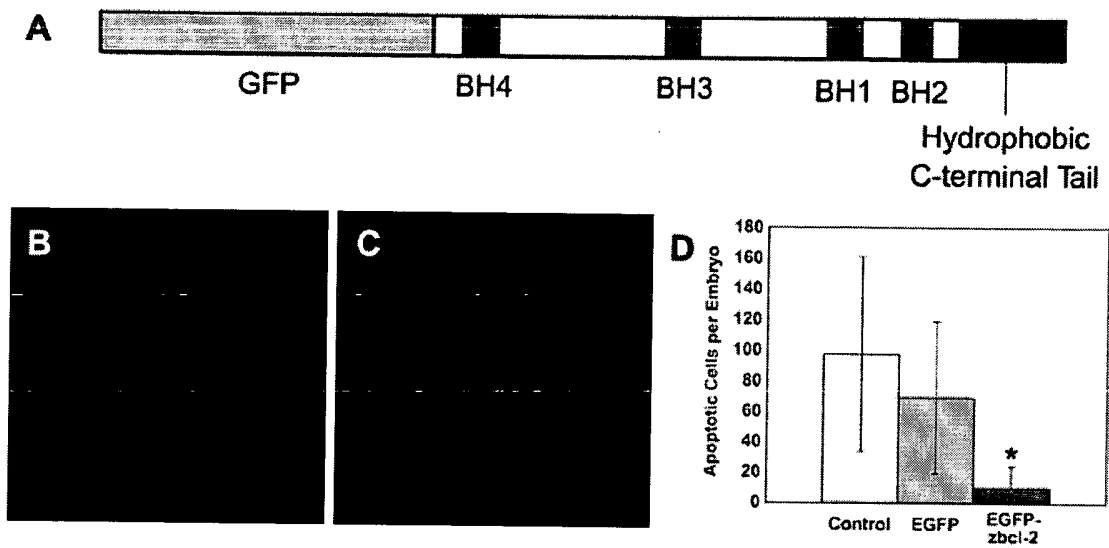


Figure 14

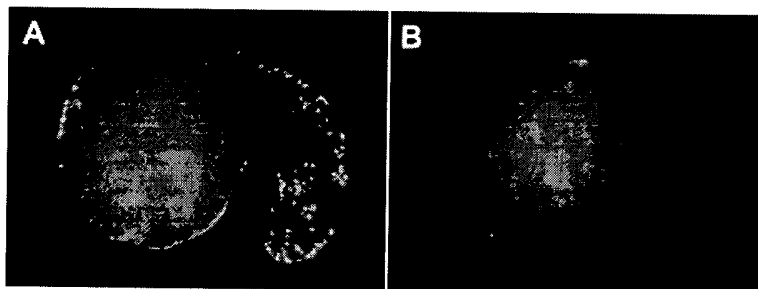


Figure 15

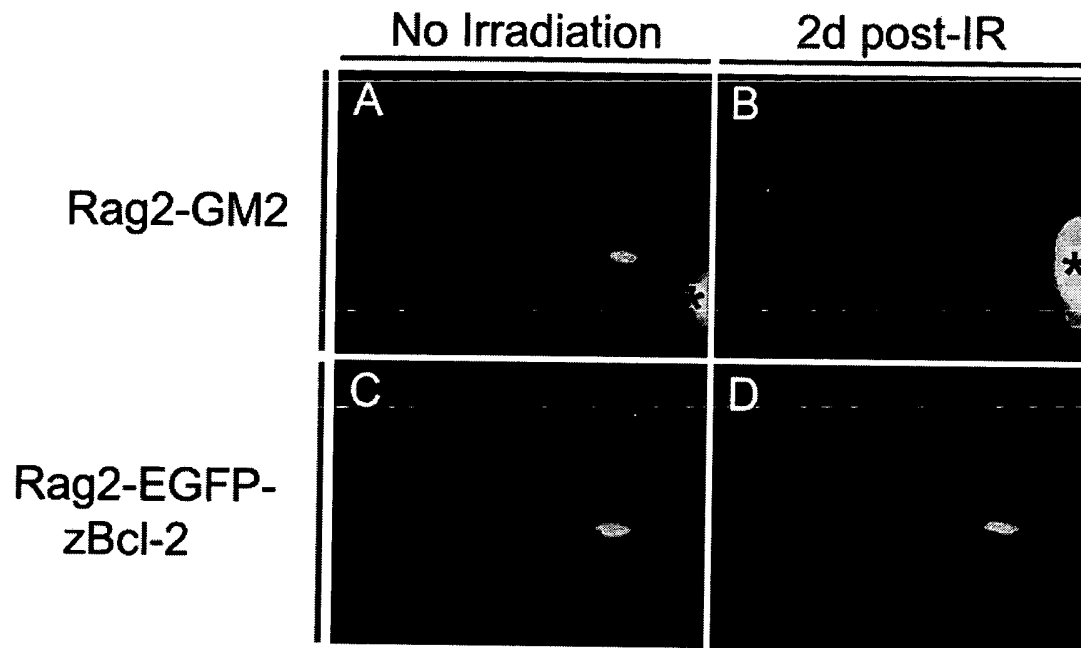


Figure 16

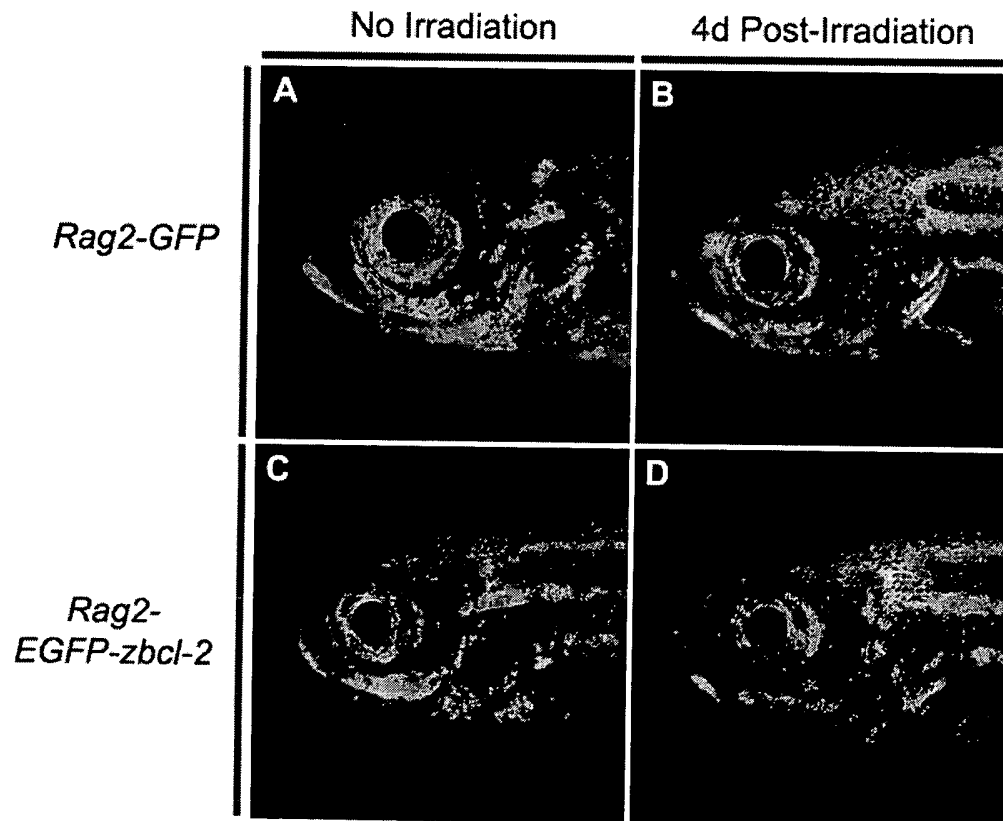


Figure 17

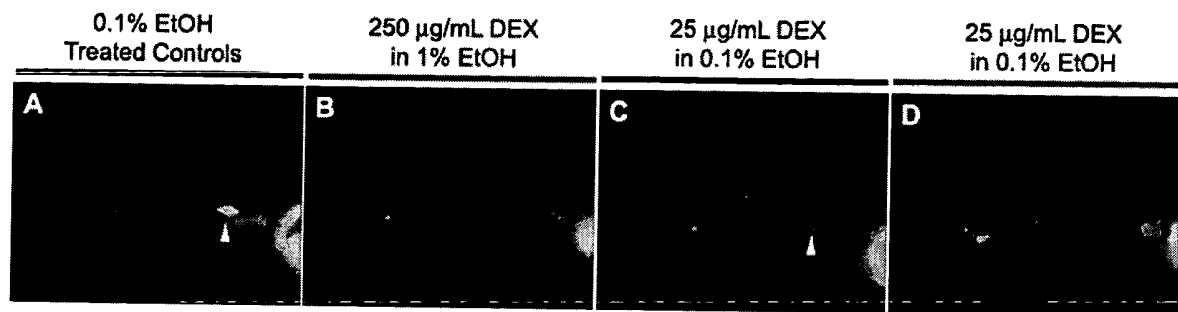


Figure 18

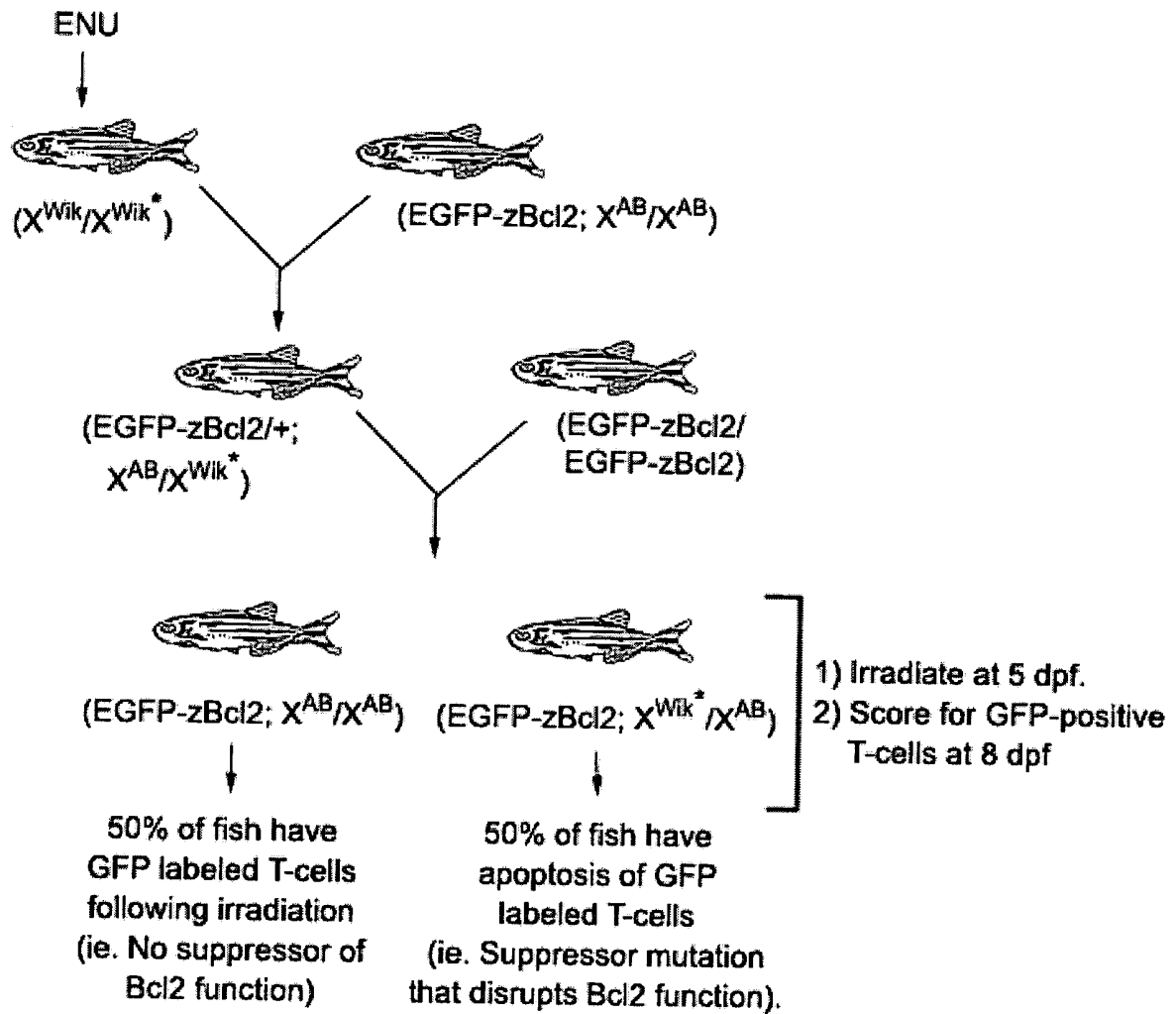


Figure 19

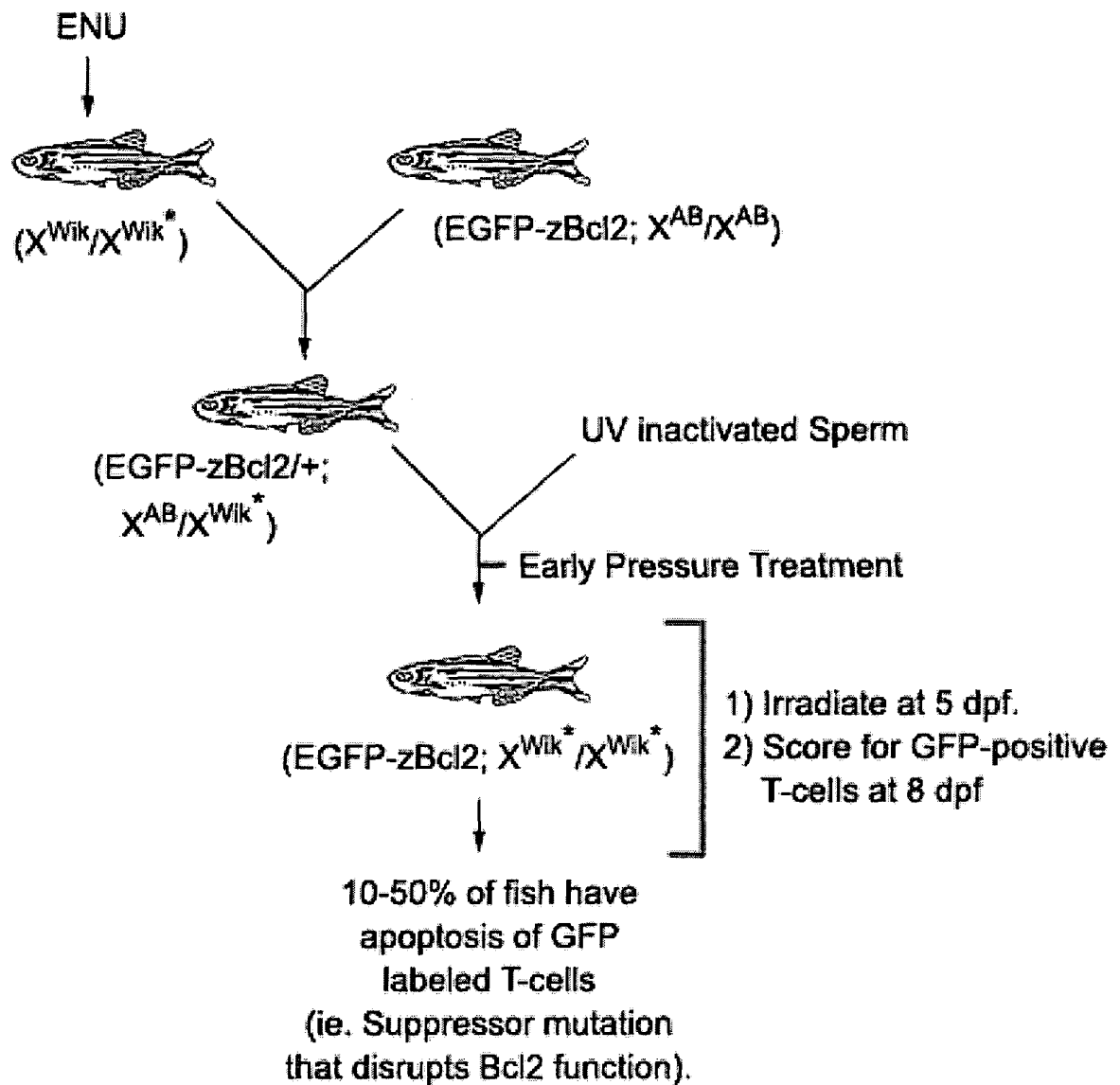


Figure 20

